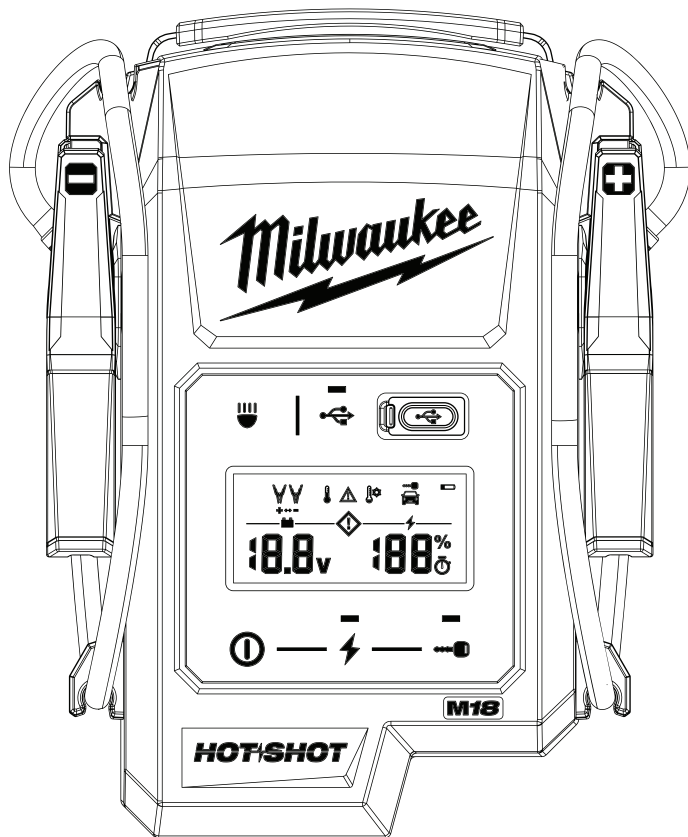




OPERATOR'S MANUAL



Cat. No.

M18 JS2000

M18 *HOT SHOT* JUMP STARTER 2,000 A

WARNING

 To reduce the risk of injury, user must read and understand operator's manual.

GENERAL POWER TOOL SAFETY WARNINGS

AWARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

WORK AREA SAFETY

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

POWER TOOL USE AND CARE

- **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

BATTERY TOOL USE AND CARE

- **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
 - **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
 - **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
 - **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.
 - **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
 - **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130°C (265°F) may cause explosion.
 - **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.
- ### SERVICE
- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
 - **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorised service providers.

SPECIFIC SAFETY RULES FOR JUMP STARTER

⚠WARNING Risk of Explosion. This power tool has arcing or sparking parts which should not be exposed to flammable vapours. This power tool should be located at least 500 mm above the floor when used in a repair facility.

⚠WARNING Risk of Electric Shock and Risk of Fire. This power tool is not to be stored in a vehicle.

⚠WARNING Do not expose the power tool to fire or high temperatures. Exposure to fire or temperature above 125°F may cause explosion.

⚠CAUTION This power tool is intended to be stored indoors when not in use. This power tool shall not be stored or left outdoors when not in use.

⚠CAUTION This power tool is intended for temporary use outdoors and reasonable care should be exercised when using this power tool in wet conditions.

⚠CAUTION Risk of Electric Shock. Do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

• This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

• Children should be supervised to ensure that they do not play with the appliance.

• DO NOT smoke, strike a match, or cause a spark in the vicinity of the power tool.

• Keep metal items away from the clamps and vehicle battery. It might spark or short-circuit the battery or other electrical parts that may cause explosion.

• Remove personal metal items such as rings, bracelets, necklaces, and watches when working with a vehicle battery. A vehicle battery can produce a short circuit current high enough to weld a ring or the like to metal, causing a severe burn.

• Do not use unit if the battery jumper cables are damaged.

• Do not attempt to jump start a damaged or frozen battery.

• Do not jump start a battery if you do not know its voltage or chemistry.

• Do not place the unit directly on top of the battery that is being jumped. Place the unit as far away as the cables permit.

• This unit is compatible with 12 V car battery systems only. DO NOT use this tool with dry cell batteries, commonly used with home appliances.

• Product may emit electromagnetic fields, and could affect pacemakers, defibrillators, and other medical devices.

• Always use common sense and be cautious when using the jump starter. It is not possible to anticipate every situation that could result in a dangerous outcome. Do not use this tool if you do not understand these operating instructions or you feel the work is beyond your capability; contact MILWAUKEE® Tool or a trained professional for additional information or training.

• Maintain labels and nameplates. These carry important information. If unreadable or missing, contact a MILWAUKEE® service facility for a replacement.

FOR INDOOR USE OR TEMPORARY OUTDOOR USE.

ADDITIONAL BATTERY SAFETY RULES

⚠WARNING To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit.

⚠WARNING Do not charge non-rechargeable batteries.

Rechargeable batteries are to be removed from the appliance before being charged.

SYMBOLGY



Volts



Direct Current



Amps



Read operator's manual.



⚠WARNING Risk of Electric Shock



Do not stare at the operating light source.



Always wear proper eye protection marked to comply with AS/NZS 1337.1



Wear gloves.



The product is only suitable for indoor use.



Do not expose to rain or use in damp locations.



Regulatory Compliance Mark (RCM). This product meets applicable regulatory requirements.

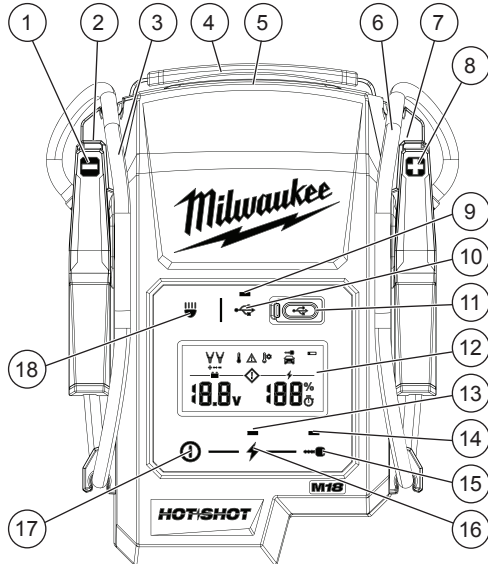


Do not dispose of electric tools together with household waste material. Electric tools and electronic equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

SPECIFICATIONS

Cat. No. M18 JS2000
 Volts.....18 V DC
 Battery Type.....M18™
 Charger Type.....M18™
 Peak Current.....2000 A
 Output Voltage.....15 V
 Maximum USB-C Output.....5 V DC
 Maximum USB-C Output Amps.....3 A
 Operating Temperature.....-20°C to 50°C
 Vehicle Battery Type.....12 V Lead Acid
 * Refer to M18™ battery manual for acceptable battery operating temperatures.

FUNCTIONAL DESCRIPTION



- | | |
|--|--------------------------------|
| 1. Negative (-) terminal clamp | 11. USB-C charging port |
| 2. Negative terminal clamp storage posts | 12. Display screen |
| 3. Negative (-) lead wire | 13. Charge LED indicator |
| 4. Carrying handle | 14. Start engine LED indicator |
| 5. LED Task light | 15. Start engine button |
| 6. Positive (+) lead wire | 16. Charge capacitor button |
| 7. Positive terminal clamp storage posts | 17. Power button |
| 8. Positive (+) terminal clamp | 18. LED task light button |
| 9. USB-C LED indicator | |
| 10. USB-C button | |

ASSEMBLY

⚠ WARNING Recharge only with the charger specified for the battery. For specific charging instructions, read the operator's manual supplied with your charger and battery.

Inserting/Removing the Battery

To **insert** the battery, slide the pack into the body of the tool. Make sure it latches securely into place.

⚠ WARNING Always remove the battery pack any time the tool is not in use. Store battery indoors.

To **remove** the battery, push in the release buttons and pull the battery pack away from the tool.

OPERATION

⚠ WARNING To reduce the risk of injury, always wear proper eye protection marked to comply with AS/NZS 1337.1. Product is not intended to be used as a vehicle battery replacement.

Icon Symbolology

This tool has buttons and a screen that displays the icons below. The icons change as needed during normal tool operation. If a setting is changed, the icon on the screen will be updated.

Symbol	Function
	Power Button
	Low M18™ Battery Indicator
	Charge Capacitor Button
	Start Engine Button
	Task Light Button
	USB-C On/Off
	Clamp Status Indicator
	Reverse Polarity Warning
	Over or Under Temperature
	Overload Warning
	Start Engine
	Override Warning
	Voltage
	Capacitor Charge Percentage
	Start Engine Timer

⚠WARNING To reduce the risk of injury, always remove the battery pack any time the unit is not in use.

To reduce the risk of sparks, **DO NOT** allow positive and negative battery clamps to touch or connect to each other.

Jump Starting in Standard Mode

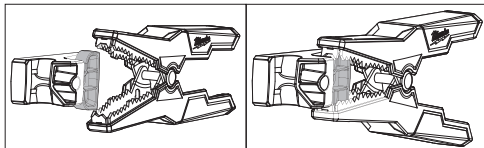
Before operating the unit, read the vehicle operator's manual. Read all warnings and cautions regarding jump-starting a vehicle.

1. Ensure the vehicle is off and turn off all vehicle accessories (headlights, radio, air conditioning, etc) before continuing.
2. Insert an M18 battery into the battery bay.
3. To **turn on** the jump starter, press the power button.
4. Press Charge Capacitor Button  to begin charging. Once charging is complete the charge LED will turn solid and the display screen will show 100%. The start engine LED will begin flashing.

5. To **attach clamps**, connect the (red) clamp to the (+) positive battery terminal. Next, connect the (black) clamp to the (-) negative battery terminal or vehicle battery ground terminal.

NOTE: If the clamps are not connected to the battery when the tool is powered on, the Clamp Status icon will flash on the display screen. If the clamps are connected incorrectly, i.e. reverse polarity, then the reverse polarity warning icon will show along with the clamps icon. Always ensure clamps have a good connection prior to energising the unit to avoid risk of a spark.

6. Press the Start Engine Button  on the jump starter. The Start Engine Timer will start to count down from 30 seconds, start the vehicle within the time limit.
7. To turn **off** the jump starter, press the power button .
8. To **remove**, disconnect the black clamp from the black (-) negative battery terminal or vehicle battery ground terminal first, then remove the red clamp from the red (+) positive battery terminal.
9. Secure clamps onto storage posts (positive clamp to positive post, negative clamp to negative post).



NOTE: Refer to the vehicle operator's manual or seek automotive professional help for assistance. Repeated jump starting could cause damage to the vehicle and/ or vehicle battery. If the engine fails to start, ensure that the clamps are connected correctly and secured to the terminals.

⚠WARNING Spark prevention, and reverse polarity are disabled in override mode. This results in the clamps being live and creates the risk of fire, burns, and serious injury. Clamps must be installed properly before using this mode. If you are not confident in using this mode, **DO NOT** attempt, seek professional help for assistance.

To reduce the risk of sparks, **DO NOT** allow positive and negative battery clamps to touch or connect to each other. This mode uses high current and can create high amount of heat and sparks if not used properly.

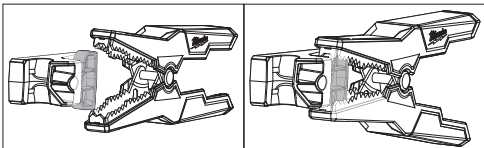
This tool is intended to be used with 12 V lead acid batteries only. Do not use other voltages or battery chemistries.

Keep metal items away from the clamps and vehicle battery. It might spark or short-circuit the battery or other electrical parts that may cause explosion.

Jump Starting in Override Mode

This tool has an override function only for use in low vehicle battery voltage situations. Override mode is required when vehicle battery voltage is lower than 1.2 V. If the clamps are attached to a low voltage battery before entering override mode, the display will indicate it can not read the voltage "--". Ensure clamps are connected properly to the positive and negative terminals before following the steps below.

1. Follow steps 1–3 in "Jump Starting in Standard Mode" section, then continue with the steps below.
2. Press and hold the start engine button  on the jump starter, the override icon will illuminate. The timer will start to count down from 30 seconds, start the vehicle within the time limit., start the vehicle within the time limit.
3. To turn **off** the jump starter, press the power button .
4. To **remove**, disconnect the black clamp from the black (-) negative battery terminal or vehicle battery ground terminal first, then remove the red clamp from the red (+) positive battery terminal.
5. Secure clamps onto storage posts (positive clamp to positive post, negative clamp to negative post).



Troubleshooting

The chart below explains errors that could occur. Follow the instructions in the "Solution" column to solve the issue. If errors still occur and cannot be cleared by the "Solution" column, then return the tool, battery pack and charger to the nearest authorized service centre.

Error Code	Error Condition	Icon	Solution
E1	Check Clamps		Make sure clamps are not touching each other and are properly connected.
E2	System Compatibility		Make sure the vehicle battery is a 12 V battery.
E3	M18™ Fault		Check to make sure M18™ battery is not too hot, too cold, visibly damaged, etc.
E4	Excessive Charging Time		Try again with a higher capacity/ higher charged M18™ battery.
E5	Internal Error		Allow tool to rest or contact an authorized service center.
E6	Electronics Failure		Contact an authorized service center.
	Reverse Polarity Warning		Make sure + clamp is connected to + terminal on vehicle battery, and make sure - clamp is connected to - terminal on vehicle battery.
	Tool Over Temperature		Allow tool to cool down.
	Tool Under Temperature		Allow tool to warm up.

MAINTENANCE

⚠ WARNING The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.

⚠ WARNING The controlgear of this luminaire is a non-replaceable component; when the controlgear reaches its end of life the whole luminaire shall be replaced.

⚠ WARNING To reduce the risk of injury, always unplug the charger and remove the battery pack from the charger or tool before performing any maintenance. Never disassemble the battery pack, charger, or tool, except as provided in these instructions. Contact a MILWAUKEE® service facility for ALL repairs.

Maintaining Tool

Keep this tool, battery pack and charger in good repair by adopting a regular maintenance program. Inspect the tool for issues such as undue noise, misalignment or binding of moving parts, breakage of parts, or any other condition that may affect the tool operation. Return the tool, battery pack, and charger to a MILWAUKEE® service facility for repair. Depending on use, periodically have an authorized service facility inspect and maintain the tool, battery, and charger to ensure proper performance.

If the tool does not start or operate at full power with a fully charged battery pack, clean the contacts on the battery pack. If the tool still does not work properly, return the tool, charger and battery pack, to a MILWAUKEE® service facility for repairs.

⚠ WARNING To reduce the risk of personal injury and damage, never immerse a tool, battery pack or charger in liquid or allow a liquid to flow inside them.

Cleaning

Clean dust and debris from vents. Keep handles clean, dry and free of oil or grease. Use only mild soap and a damp cloth to clean, since certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include petrol, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia and household detergents containing ammonia. Never use flammable or combustible solvents around tools.

Repairs

For repairs, return the tool, battery pack and charger to the nearest authorised service centre.

ACCESSORIES

⚠ WARNING Use only recommended accessories. Others may be hazardous.

For a complete listing of accessories, go online to milwaukeeetool.com.au / milwaukeeetool.co.nz or contact an authorised distributor.

WARRANTY - AUSTRALIA and NEW ZEALAND

Please refer to Australian and New Zealand warranty supplied with tool. This warranty applies only to product sold by authorised dealers in Australia and New Zealand.

SERVICE - AUSTRALIA and NEW ZEALAND

MILWAUKEE® prides itself in producing a premium quality product that is Nothing But Heavy Duty™. Your satisfaction with our products is very important to us! If you encounter any problems with the operation of this tool, please contact your authorised **MILWAUKEE®** dealer.

For a list of **MILWAUKEE®** dealers, guarantee or service agents please contact **MILWAUKEE®** Customer Service or visit our website.

(Australia Toll Free Telephone Number 1300 645 928)

(New Zealand Toll Free Telephone Number 0800 645 928)

or visit milwaukeetool.com.au/milwaukeetool.co.nz.

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